Preparation for Software Installation

Before installing any software it is necessary to partition the hard drives (2 internal 2 GB, and 2 external 2 GB) on the video PC.

> **Warning! All files on the drives being partitioned are subject to chaos, make sure you have backed up any data on these drives before continuing.**

You will need a bootable floppy disk with DOS 6.0 or 6.2 and "Fdisk.exe" and "Format.exe." If you're not running DOS 6.0 or 6.2 on the video PC, you can make the bootable floppy using a PC that is running DOS 6.0 or 6.2.

> *Note:* Refer to Appendix C for more information about using MS DOS.

To make the bootable disk, insert the floppy into the appropriate drive (we will assume a: is the floppy drive and c: is the system hard drive containing DOS) on a PC running DOS 6.0 or 6.2 and perform the following procedures.

1. Type "**format a:/s**" <ENTER> (the "**/s**" stands for system and will create a bootable floppy disk).

2. Type "**a:**" <ENTER> (this will change the prompt to the floppy drive).

3. Type "**copy c:\dos\fdisk.exe**" <ENTER> (this will copy the fdisk.exe file from the c:\dos directory to the floppy disk).

4. Type "**copy c:\dos\format.exe**" <ENTER> (this will copy the format.exe file from the c:\dos directory to the floppy disk).

5. Verify the files on the floppy disk by typing "**dir**" (this will show a list of the contents of the floppy disk).

Once the floppy contains the necessary files, insert it into the floppy drive of the video PC and continue using the following procedures.

```
                          FDISK Options

     Current Fixed disk drive: 1

     Choose one of the Following:

     1. Create DOS partition or Logical DOS Drive
     2. Set active partition
     3. Delete partition or Logical DOS Drive
     4. Display partition information
     5. Change current fixed drive


     Enter choice: [1]




     Press Esc to exit FDISK
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6. With the floppy in the a: drive, reboot the video PC (if the PC is already on, turn it off, wait 30 seconds, then turn it back on).

7. Type "**fdisk**" <ENTER>. You should see the fdisk options menu.

8. Choose option 1 (Press 1 <ENTER>). This will bring up the "Create DOS Partition or Logical DOS Drive" menu.

9. Choose option 1 — Create Primary DOS Partition.

10. Type "**n**" <ENTER>, when prompted "Do you wish to use the maximum available size for a Primary DOS Partition and make the partition active?"

11. At the prompt type "**1000**" <ENTER>. This tells the program to create a 1.0 GB partition for the operating system (this will be the c: drive). You should get a message saying "Primary DOS Partition created" "Esc to continue."

12. Press <Esc>. You should now be back in the "FDISK Options" menu.

13. Choose option 1 — Create DOS Partition or Logical DOS Drive.

14. Choose option 2 — Create Extended DOS Partition.

15. Press <ENTER> when prompted for size of Extended DOS Partition. This tells the program to create an Extended DOS Partition using the remainder of the drive. You will then get a message saying "Extended DOS Partition created" "Esc to continue."

16. Press <Esc>.

17. When prompted for the size of the Logical DOS Drive to create, type "**500**" <ENTER>. This will create a 500 MB (.5 GB) Logical DOS Drive in the Extended DOS Partition. This will be d: drive. Repeat this step for e: drive.

18. Press <Esc>. You should now be back in the "FDISK Options" menu.

19. Choose option 2 — Set Active Partition.

20. Type "**1**" <ENTER>, when prompted "Enter partition number to make active." You should get a message saying "Partition 1 made active" "Esc to continue."

21. Press <Esc>. You should now be back in the "FDISK Options" menu.

22. Choose — Change current fixed drive (type "**5**" <ENTER>). When prompted choose the next drive number (i.e. if you just finished partitioning drive 1, then choose drive 2) and press <ENTER>.

23. Choose option 1 — Create DOS Partition or Logical DOS Drive (type "**1**" <ENTER>).

24. Choose option 2 — Create Extended DOS Partition (type "**2**" <ENTER>). When prompted for the size press <ENTER>. This will set the Extended DOS Partition to be the maximum size of the drive. You will then get a message saying "Extended DOS Partition created" "Esc to continue."

25. Press <Esc>.

26. When prompted for the size of the Logical DOS Drive to create, type "**500**" <ENTER>. This will create a 500 MB (.5 GB) Logical DOS Drive in the

Extended DOS Partition. This will be the f: drive. Repeat this step for partitions g:, h:, and i:.

27. Repeat steps 22-26 for the first removable hard drive (partitions j, k, l, and m).

28. After partitioning the first removable hard drive, press <Esc> to return to the "FDISK Options" menu.

29. Choose 5 — Change current fixed drive (type "**5**" <ENTER>). When prompted choose the last drive number (i.e., if you just finished partitioning drive 3, then choose drive 4) and press <ENTER>.

30. Choose option 1 — Create DOS Partition or Logical DOS Drive (type "**1**" <ENTER>).

31. Choose option 2 — Create Extended DOS Partition (type "**2**" <ENTER>). When prompted for the size press <ENTER>. This will set the Extended DOS Partition to be the maximum size of the drive. You will then get a message saying "Extended DOS Partition created" "Esc to continue."

32. Press <Esc>.

33. When prompted for the size of the Logical DOS Drive to create, type "**500**" <ENTER>. This will create a 500 MB (.5 GB) Logical DOS Drive in the Extended DOS Partition. This will be the n: drive. Repeat this step for partition o:.

34. The final partition will use the remaining 1000 MB (1 GB). Press <ENTER>.

When finished partitioning all four hard drives, exit FDISK by pressing <Esc>. Leave the bootable floppy in drive a: and when prompted, press any key to reboot the PC. When the PC has successfully rebooted, you must format each of the fourteen partitions you have just created by completing the following procedures. Pay particular attention to ensure the volume labels are correctly named since they are critical to the operation of the WINVan software.

1. At the a: prompt, type "**format c:/s/u**" <ENTER>. Type "**y**" <ENTER>, when prompted "…are you sure…". This will format the c: partition as the 'system' drive which will be the boot up drive (set 'Active' in FDISK) and eventually contain the operating system (DOS, Windows, etc.) and software.

2. After the c: drive has been formatted, you will be prompted to enter a volume label or enter for none. Type "VBOOT" <ENTER>.

3. Type "**format d:**" <ENTER>. Type "**y**" <ENTER>, when prompted "…are you sure…". This will format the d: partition.

4. When the d: drive has been successfully formatted, you will be prompted to enter a volume label or enter for none. Type "VIDINT1" <ENTER>.

5. Repeat steps 3 and 4 for drives e, f, g, h, & i, using VIDINT2-6 for the volume labels (i.e., "VIDINT2" for e:, "VIDINT3" for f:,… "VIDINT6" for i:).

6. Repeat steps 3 and 4 for drives j, k, l, m, n, & o using VIDSHL1-6 for the volume labels (i.e., "VIDSHL1" for j:, "VIDSHL2" for k:,… "VIDSHL6" for o:).

7. Repeat steps 3 and 4 for drive p: using VIDSYS for the volume label.

> *Note:* For more detailed information about using FDISK and the format command, consult your DOS manual.

Software Installation

It is now time to start installing software. Remove the floppy disk and reboot the computer. Insert the WINVan installation disk into the CD ROM drive. Access the CD drive prompt (probably Q:) and perform the following procedures.

1. Change to the "DOS62" directory (**cd\dos62** <ENTER>).

2. Type "**setup/g**" <ENTER> and follow any on screen instructions (if prompted for drive location, choose c:). This will install DOS 6.2.

3. After DOS has been successfully installed, change to the "Wfw311" directory. Type "**setup**" <ENTER> and follow any on screen instructions. This will install Windows For Workgroups 3.11 (if prompted for drive location, choose c:).

At this point, if you are more comfortable using Windows, you can start using File Manager to create directories and install programs. To use Windows, type "win" <ENTER>. Once Windows is running, double click on the "Main" program group and double click on File Manager. If you are going to use this PC primarily for the video operation, copy the Autoexec.bat and Config.sys files from the CD ROM to the root directory of C:, overwriting the existing ones. If you plan to use this PC for other things as well you will need to edit the Autoexec.bat and Config.sys files to include anything found in the corresponding files on the CD. You may need to consult your MS DOS manual for details on setting up these files.

1. Copy the Scandrvs.bat file from the CD to the root directory of C:. This batch file will automatically run Scandisk on the hard drives when booting up the system.

2. Create the folders Imgtemp and WINVan in the root directory of C:.

3. Copy the contents of the Imgtemp and WINVan folders on the CD to the ones just created on the c: drive.

4. Copy the contents of the "Winsys" folder on the CD to the C:\Windows\system folder.

5. From the Msoffice folder on the CD ROM, double click "setup.exe." Follow the on screen instructions (if prompted for drive location, choose c:).

6. Install the software included with the Intel Smart Video Recorder II capture card as described in the included manual.

7. Install the software included with the Magni Overlay card as described in the included manual.

> *Note:* Notice there are some extra folders on the CD. These are tools for advanced system diagnostics and modifications. These are unnecessary, but may be useful to advanced computer support personnel.